

Myrtil SimkÅ³

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,197
citations

218381

26
h-index

233125

45
g-index

52
all docs

52
docs citations

52
times ranked

2371
citing authors

#	ARTICLE	IF	CITATIONS
1	Extremely low frequency electromagnetic fields as effectors of cellular responses in vitro: Possible immune cell activation. <i>Journal of Cellular Biochemistry</i> , 2004, 93, 83-92.	1.2	187
2	Cell Type Specific Redox Status is Responsible for Diverse Electromagnetic Field Effects. <i>Current Medicinal Chemistry</i> , 2007, 14, 1141-1152.	1.2	160
3	Possible effects of Electromagnetic Fields (EMF) on Human Health - Opinion of the Scientific Committee on Emerging and Newly Identified Health Risks (SCENIHR). <i>Toxicology</i> , 2008, 246, 248-250.	2.0	149
4	Risks from accidental exposures to engineered nanoparticles and neurological health effects: A critical review. <i>Particle and Fibre Toxicology</i> , 2010, 7, 42.	2.8	148
5	5G Wireless Communication and Health Effects—A Pragmatic Review Based on Available Studies Regarding 6 to 100 GHz. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3406.	1.2	131
6	Stimulation of phagocytosis and free radical production in murine macrophages by 50 Hz electromagnetic fields. <i>European Journal of Cell Biology</i> , 2001, 80, 562-566.	1.6	83
7	Fifty-hertz magnetic fields induce free radical formation in mouse bone marrow-derived promonocytes and macrophages. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2004, 1674, 231-238.	1.1	82
8	Alteration in cellular functions in mouse macrophages after exposure to 50 Hz magnetic fields. <i>Journal of Cellular Biochemistry</i> , 2006, 99, 168-177.	1.2	75
9	ROS release and Hsp70 expression after exposure to 1,800 MHz radiofrequency electromagnetic fields in primary human monocytes and lymphocytes. <i>Radiation and Environmental Biophysics</i> , 2006, 45, 55-62.	0.6	74
10	Hsp70 expression and free radical release after exposure to non-thermal radio-frequency electromagnetic fields and ultrafine particles in human Mono Mac 6 cells. <i>Toxicology Letters</i> , 2006, 161, 73-82.	0.4	72
11	Cell Activating Capacity of 50 Hz Magnetic Fields to Release Reactive Oxygen Intermediates in Human Umbilical Cord Blood-derived Monocytes and in Mono Mac 6 Cells. <i>Free Radical Research</i> , 2004, 38, 985-993.	1.5	64
12	Effects of 50-Hz magnetic field exposure on superoxide radical anion formation and HSP70 induction in human K562 cells. <i>Radiation and Environmental Biophysics</i> , 2010, 49, 731-741.	0.6	63
13	Free Radical Release and HSP70 Expression in Two Human Immune-Relevant Cell Lines after Exposure to 1800 MHz Radiofrequency Radiation. <i>Radiation Research</i> , 2006, 165, 88-94.	0.7	61
14	Is there a relation between extremely low frequency magnetic field exposure, inflammation and neurodegenerative diseases? A review of in vivo and in vitro experimental evidence. <i>Toxicology</i> , 2012, 301, 1-12.	2.0	56
15	Grouping of Experimental Conditions as an Approach to Evaluate Effects of Extremely Low-Frequency Magnetic Fields on Oxidative Response in in vitro Studies. <i>Frontiers in Public Health</i> , 2014, 2, 132.	1.3	55
16	Gene expression analysis of ELF-MF exposed human monocytes indicating the involvement of the alternative activation pathway. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006, 1763, 402-412.	1.9	54
17	Micronucleus formation in human amnion cells after exposure to 50 Hz MF applied horizontally and vertically. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998, 418, 101-111.	0.9	51
18	Exposure to ELF magnetic fields modulate redox related protein expression in mouse macrophages. <i>Toxicology Letters</i> , 2010, 192, 330-336.	0.4	50

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19	Metrics, Dose, and Dose Concept: The Need for a Proper Dose Concept in the Risk Assessment of Nanoparticles. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 4026-4048.	1.2	48
20	Comparative Study of Cell Cycle Kinetics and Induction of Apoptosis or Necrosis after Exposure of Human Mono Mac 6 Cells to Radiofrequency Radiation. <i>Radiation Research</i> , 2006, 166, 539-543.	0.7	47
21	Interactions Between Nanosized Materials and the Brain. <i>Current Medicinal Chemistry</i> , 2014, 21, 4200-4214.	1.2	46
22	<p>Emerging medical applications based on non-ionizing electromagnetic fields from 0 Hz to 10 THz</p>. <i>Medical Devices: Evidence and Research</i> , 2019, Volume 12, 347-368.	0.4	41
23	Induction of Cell Activation Processes by Low Frequency Electromagnetic Fields. <i>Scientific World Journal</i> , The, 2004, 4, 4-22.	0.8	39
24	Immune-Modulating Perspectives for Low Frequency Electromagnetic Fields in Innate Immunity. <i>Frontiers in Public Health</i> , 2018, 6, 85.	1.3	33
25	Quality Matters: Systematic Analysis of Endpoints Related to "Cellular Life" in Vitro Data of Radiofrequency Electromagnetic Field Exposure. <i>International Journal of Environmental Research and Public Health</i> , 2016, 13, 701.	1.2	31
26	Modifications in cell cycle kinetics and in expression of G1 phase-regulating proteins in human amniotic cells after exposure to electromagnetic fields and ionizing radiation. <i>Cell Proliferation</i> , 2004, 37, 337-349.	2.4	28
27	Micronucleus induction in Syrian hamster embryo cells following exposure to 50 Hz magnetic fields, benzo(a)pyrene, and TPA in vitro. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2001, 495, 43-50.	0.9	25
28	The changing face of nanomaterials: Risk assessment challenges along the value chain. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 84, 105-115.	1.3	25
29	Alterations in the cell cycle and in the protein level of cyclin D1, p21CIP1, and p16INK4a after exposure to 50ÅHz MF in human cells. <i>Radiation and Environmental Biophysics</i> , 2002, 41, 131-137.	0.6	24
30	Influence of 50 Hz electromagnetic fields in combination with a tumour promoting phorbol ester on protein kinase C and cell cycle in human cells. <i>Molecular and Cellular Biochemistry</i> , 2002, 232, 133-141.	1.4	24
31	Is there a Biological Basis for Therapeutic Applications of Millimetre Waves and THz Waves?. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2018, 39, 863-878.	1.2	24
32	Cytotoxicity, genotoxicity and intracellular distribution of the Auger electron emitter 65 Zn in two human cell lines. <i>Radiation and Environmental Biophysics</i> , 2004, 43, 15-22.	0.6	20
33	Background ELF magnetic fields in incubators: A factor of importance in cell culture work. <i>Cell Biology International</i> , 2009, 33, 755-757.	1.4	18
34	Cellular Response to ELF-MF and Heat: Evidence for a Common Involvement of Heat Shock Proteins?. <i>Frontiers in Public Health</i> , 2017, 5, 280.	1.3	17
35	Mineral Fibers Induce Apoptosis in Syrian Hamster Embryo Fibroblasts. <i>Pathobiology</i> , 1995, 63, 213-221.	1.9	16
36	Short Communication: Hydroperoxides in Circulating Lipids from Dairy Cows: Implications for Bioactivity of Endogenous-Oxidized Lipids. <i>Journal of Dairy Science</i> , 2005, 88, 1708-1710.	1.4	14

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37	Absence of synergistic effects on micronucleus formation after exposure to electromagnetic fields and asbestos fibers in vitro. <i>Toxicology Letters</i> , 1999, 108, 47-53.	0.4	13
38	Pooling and Analysis of Published in Vitro Data: A Proof of Concept Study for the Grouping of Nanoparticles. <i>International Journal of Molecular Sciences</i> , 2015, 16, 26211-26236.	1.8	9
39	5G New Radio Requires the Best Possible Risk Assessment Studies: Perspective and Recommended Guidelines. <i>Frontiers in Communications and Networks</i> , 2021, 2, .	1.9	8
40	Delayed cytotoxic and genotoxic effects in a human cell line following X-irradiation. <i>International Journal of Radiation Biology</i> , 1999, 75, 1021-1027.	1.0	7
41	Activation of the intracellular temperature and ROS sensor membrane protein STIM1 as a mechanism underpinning biological effects of low-level low frequency magnetic fields. <i>Medical Hypotheses</i> , 2019, 122, 68-72.	0.8	7
42	Apoptosis Induction and Micronucleus Formation after Exposure to the Auger Electron Emitter Zinc-65 in a Human Cell Line. <i>Acta Oncol³gica</i> , 2000, 39, 699-706.	0.8	6
43	Basis for a Revision of the Gastrointestinal Tract Model. <i>Radiation Protection Dosimetry</i> , 1996, 63, 29-36.	0.4	3
44	Neurological System. , 2017, , 275-312.		2
45	Editorial: Effects of Combined EMF Exposures and Co-exposures. <i>Frontiers in Public Health</i> , 2018, 6, 230.	1.3	1
46	Terahertz Electromagnetic Fields in Diagnostic and Therapeutic Settings – Potentials and Challenges. , 2020, , 159-182.		1
47	Theranostic Instrument based on the Combination of Low and High Frequency EM-bio interaction for Bone Defects Analysis and Healing. , 2018, , .		0
48	Confronting Risk of Bias in RF Bioeffects Research. Comments on Two Papers by Vijayalaxmi and Prihoda. <i>Radiation Research</i> , 2019, 192, 363.	0.7	0
49	Nanopartikel – Gesundheitliche Gefahren. , 2014, , 3-27.		0
50	Experimental Results on Cellular and Subcellular Systems Exposed to Low-Frequency and Static Magnetic Fields. , 2018, , 29-67.		0